Proportions/Ratios on the Coordinate Plane TOC # \_\_\_\_\_

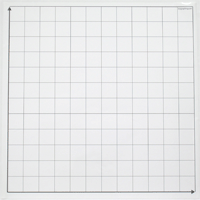
Math 6-Unit 2 MCC6.RP.3, 3a

**Part 1:** Let’s look at the relationship between cups and pints. We know that the ratio of cups to pints is 2 : 1. Complete the missing values in the table.

|  |  |  |
| --- | --- | --- |
| **X**  **(cups)** | **Y**  **(pints)** | **(x, y)** |
| 2 | 1 |  |
| 4 | 2 |  |
| 6 | 3 |  |
| 8 | 4 |  |
| \_\_\_ | 5 |  |
| 12 | \_\_\_ |  |

Graph the ordered pairs from the table. Because the table is proportional, the graph should be a **straight line**. Check to see that the table and the graphed line are both showing the same proportional relationship.

**Cups vs. Pints**



Pints (y-axis)

Cups (x-axis)

**Part 2:** Create your own proportional relationship in the table below. Then graph the relationship on the coordinate plane. Make sure that you include the following:

1. A title.
2. Your x-axis and y-axis should be labeled appropriately.
3. You need correct intervals for both axes.

|  |  |  |
| --- | --- | --- |
| X  \_\_\_\_\_\_\_\_\_ | Y  \_\_\_\_\_\_\_\_ | (x, y) |
|  |  |  |
|  |  |  |
|  |  |  |
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